CIVIL XPERTS
ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
Amrutha Nagar Main Road
New Bank Colony, Konanakunte
Bangalore - 560 062.
Mobile : +91 97429 59595
Tele/Fax : 080-2632 2565
E-mail : civilexpertsltd@gmail.com
URL : www.civilexperts.in

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Name of Work : Providing and Laying HDPE Water line in Mohan Kumar Nagara Block-II in J P Park, Ward No 17.

Name of Client	:	**Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
Contractor/Agency	:	**M/s. Damodar & Co,** Contractor, BBMP, Bangalore.
Date of Inspection	:	17.05.2014
Status of Bill	:	1st and Final Bill
In the Presence of	:	(a) **Assistant Engineer,** Ward No.17, BBMP, Bangalore.
	:	(b) **Mr. Ranjith,** Site Engineer, M/s Civil Experts Consultants & Testing Center, Bangalore.
		(c)**M/s. Damodar & Co,** Contractor, Bangalore.

PMC Compliance Report

BOQ. No	Description of the Item		Comments / observations
1	Earth Work excavation for Foundation of Buildings culverts Water Supply ,.....	:	Work done up to the billed quantity and Quality is satisfactory
2	Providing and Fixing to Wall Ceilling and floor high Density	:	Work done up to the billed quantity and Quality is satisfactory
3	Providing and fixing to wall Celling and floor high density Polyethylene pipes 6.00.....	:	Work done up to the billed quantity and Quality is satisfactory
4	Providing and fixing in Trenches galvanised /mild steel tubes.....	:	Work done up to the billed quantity and Quality is satisfactory

EE (RRNO)

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5	Providing and fixing 25mm dia nipple, complete as per specifications and as directed…….	:	Work done up to the billed quantity and Quality is satisfactory
6	Providing and fixing reducer elbow 25mm to 20mm complete …. ……..	:	Work done up to the billed quantity and Quality is satisfactory
7	Providing and fixing 20mm dia nipple complete as per specification ……. ….	:	Work done up to the billed quantity and Quality is satisfactory
8	Providing and fixing HDPE 90*32 mm saddle with brass nuts and bolts including …….. ….	:	Work done up to the billed quantity and Quality is satisfactory
9	Providing and fixing 20mm dia union, complete as per specifications……..	:	Work done up to the billed quantity and Quality is satisfactory
10	Providing and fixing 20mm dia hose coller complete as per specifications……., ….	:	Work done up to the billed quantity and Quality is satisfactory
11	Providing and fixing 20mm elbow complete as per specification……. ….	:	Work done up to the billed quantity and Quality is satisfactory
12	Providing and fixing 20mm to 15mm reducer elbow complete as per specification……. ….	:	Work done up to the billed quantity and Quality is satisfactory
13	Providing and fixing 20mm NP bib cock….	:	Work done up to the billed quantity and Quality is satisfactory
14	Refilling available Earth around pipe line….	:	Work done up to the billed quantity and Quality is satisfactory
15	Providing, laying, spreading and compacting graded stones aggregate to wet mix ….	:	Work done up to the billed quantity and Quality is satisfactory

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16	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface....	:	Work done up to the billed quantity and Quality is satisfactory
17	Providing and laying bituminous macadam....	:	Work done up to the billed quantity and Quality is satisfactory
18	Providing and applying tack coat on the prepared black topped surface...	:	Work done up to the billed quantity and Quality is satisfactory
19	Providing and laying semi dense bituminous concrete....	:	Work done up to the billed quantity and Quality is satisfactory
20	Providing and laying in position plain cement concrete of mix M10....	:	Work done up to the billed quantity and Quality is satisfactory
21	Providing and laying in position plain cement concrete of mix M20....	:	Work done up to the billed quantity and Quality is satisfactory
22	Conveying the excavated earth silt debris....	:	Work done up to the billed quantity and Quality is satisfactory

Authorised Signatory
Civil Experts Consultants
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NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-DC-PMC-2014-15

Date: 04.04.2014

TEST REPORT

CLIENT	:	**Executive Engineer,** Rajarajeswari Nagara Division, BBMP, Bangalore.
AGENCY	:	**M/s. Damodar & Co,** Contractor**,** BBMP, Bangalore.
NAME OF THE WORK	:	Providing and Laying HDPE Water line in Mohan Kumar Nagara Block-II in J P Park, Ward No 17.
REFERENCE	:	EE/RRND/Wo. NO/226/2013-14 Date: 06.02.2014
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-1989
1	a) Initial Setting Time	IS-4031 (Part -5)	170Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	350Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	28.00 %	-

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 15 days from the date of testing.

For Civil Experts

Authorised Signature

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NABL ACCREDITED AS PER ISO/IEC 17025:2005

CECTC-DC-PMC-2014-15 Date : 04.04.2014

TEST REPORT ON FINE AGGREGATES (SAND)
IS 383-1970 (RA- 2002)

t : **Executive Engineer,** Rajarajeswari Nagara Division, BBMP, Bangalore.

cy : **M/s. Damodar & Co,** Contractor, BBMP, Bangalore.

e of Work : Providing and Laying HDPE Water line in Mohan Kumar Nagara Block-II in J P Park, Ward No 17.

ence : EE/RRND/Wo. NO/226/2013-14 Date: 06.02.2014

of Testing : 04.04.2014

ial : Sand Total Wt. of Aggregates **1500**

eve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	72	4.80	4.80	95.2	90-100
2.36	124	8.27	13.07	86.9	75-100
1.18	360	24.00	37.07	62.9	55-90
600 Micron	365	24.33	61.40	38.6	35-59
300 Micron	302	20.13	81.53	18.5	8-30
150 Micron	150	10.00	91.53	8.5	0-10

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NABL ACCREDITED AS PER ISO/IEC 17025:2005

No.: CECTC-DC-PMC-2014-15 Date : 04.04.2014

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

nt : **Executive Engineer,** Rajarajeswari Nagara Division, BBMP, Bangalore.

ncy : **M/s. Damodar & Co,** Contractor, BBMP, Bangalore.

ne of Work : Providing and Laying HDPE Water line in Mohan Kumar Nagara Block-II in J P Park, Ward No 17.

erence : EE/RRND/Wo. NO/226/2013-14 Date: 06.02.2014

e of Testing : 04.04.2014

erial : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	165	1.10	1.10	98.90	95-100
20	8749	58.33	59.43	40.57	30-70
10	3598	23.99	83.41	16.59	10-35
4.75	1987	13.25	96.66	3.34	0-5

te:
The report shall not be reproduced, except in full, without the written approval of the laboratory.
The results indicated above are based on the tests carried out on the samples received in the laboratory.
Any Query regarding the report must be reported within 90 days from the date of testing.

For Civil Experts

Authorised Signature

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